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LABORATORY SERVICES

# Reference Materials for Plastics

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**SUPPORT QUALITY SYSTEMS  
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Our high-quality reference materials provide a cost-effective solution without sacrificing analytical accuracy – **a must for any lab and equipment manufacturer or distributor.**

These validated and controlled plastics reference materials allow your lab to test properties like **melt flow rate, ash content, elemental content, thermogravimetric data, and more.** Choose from a wide selection of product matrices and test methods to train your staff with confidence and expand your testing expertise.

Work with a trusted standards partner with decades of experience in proficiency testing for the plastics industry. Participating labs will receive:

1

validated and controlled plastics samples that have been tested for homogeneity and stability

2

clear and concise certificates of analysis with full data on how the Accepted Reference Values (ARV) were established

For orders and inquiries contact **Amber Hickman**  
ahickman@astm.org | go.astm.org/refmats



# Plastics Reference Materials Catalog

PRODUCT CODE	METHOD	PROPERTY	MATERIAL
RM_PP-CP_ASTM D648	ASTM D648	Deflection Temperature	Polypropylene (Copolymer)
RM_HDPE_ASTM D792	ASTM D792	Specific Gravity	High-Density Polyethylene
RM_LDPE_ASTM D792	ASTM D792	Specific Gravity	Low-Density Polyethylene
RM_LLDPE_ASTM D792	ASTM D792	Specific Gravity	Linear Low-Density Polyethylene
RM_HDPE_ASTM D1238	ASTM D1238	Melt Flow Rate	High-Density Polyethylene
RM_LDPE_ASTM D1238	ASTM D1238	Melt Flow Rate	Low-Density Polyethylene
RM_LLDPE_ASTM D1238	ASTM D1238	Melt Flow Rate	Linear Low-Density Polyethylene
RM_PP_ASTM D3418	ASTM D3418	Transition Temperatures	Polypropylene
RM_HDPE_ASTM D3850	ASTM D3850	Thermogravimetric Data	High-Density Polyethylene
RM_LDPE_ASTM D3850	ASTM D3850	Thermogravimetric Data	Low-Density Polyethylene
RM_LLDPE_ASTM D3850	ASTM D3850	Thermogravimetric Data	Linear Low-Density Polyethylene
RM_PP_ASTM D3850	ASTM D3850	Thermogravimetric Data	Polypropylene
RM_PBT_ASTM D3850	ASTM D3850	Thermogravimetric Data	Polybutylene Terephthalate
RM_PEEK_ASTM D3850	ASTM D3850	Thermogravimetric Data	Polyether Ether Ketone
RM_PPS_ASTM D3850	ASTM D3850	Thermogravimetric Data	Polyphenylene Sulfide
RM_PP-CP_ASTM D5492	ASTM D5492	Xylene Solubles	Polypropylene (Copolymer)
RM_PP-HP_ASTM D5492	ASTM D5492	Xylene Solubles	Polypropylene (Homopolymer)
RM_HDPE_ASTM D5630	ASTM D5630	Ash Content	High-Density Polyethylene
RM_HDPE_ASTM D6247	ASTM D6247	Elemental Content	High-Density Polyethylene
RM_LLDPE_ASTM D6247	ASTM D6247	Elemental Content	Linear Low-Density Polyethylene
RM_HDPE_ASTM E1131	ASTM E1131	Compositional Analysis	High-Density Polyethylene
RM_LDPE_ASTM E1131	ASTM E1131	Compositional Analysis	Low-Density Polyethylene
RM_LLDPE_ASTM E1131	ASTM E1131	Compositional Analysis	Linear Low-Density Polyethylene
RM_PBT_ASTM E1131	ASTM E1131	Compositional Analysis	Polybutylene Terephthalate

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