

Technical Data Sheet

DuraGrip® DGR 6240TR

Thermoplastic Elastomer
Engineering Plastics



Product Description

DuraGrip® 6240TR is designed to be a general purpose Thermoplastic Elastomer (TPE) that is easy to use in injection molding and extrusion processes. DuraGrip® 6240TR has an excellent soft touch feel, is highly elastic, will bond to polypropylene and polyethylene, and is FDA compliant. DuraGrip® 6240TR is not hygroscopic and under normal conditions does not require drying.

General

Features	• General Purpose	• Good Adhesion
Agency Ratings	• EU 2002/96/EC (WEEE)	• FDA Unspecified Rating
RoHS Compliance	• RoHS Compliant	
Appearance	• Translucent	
Forms	• Pellets	
Processing Method	• Extrusion	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity			
--	0.884	0.882 g/cm³	ASTM D792
--	0.882 g/cm³	0.882 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	16 g/10 min	16 g/10 min	ASTM D1238

Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress			ASTM D412 ISO 37
100% Strain	158 psi	1.09 MPa	
300% Strain	364 psi	2.51 MPa	
Tensile Strength (Yield)	1020 psi	7.04 MPa	ASTM D412 ISO 37
Tensile Elongation (Break)	540 %	540 %	ASTM D412 ISO 37
Tear Strength ¹	107 lbf/in	18.7 kN/m	ASTM D624

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A, 5 sec)	40	40	ASTM D2240 ISO 868

Fill Analysis	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Viscosity (374°F (190°C), 200 sec ⁻¹)	255 Pa·s	255 Pa·s	ASTM D3835

Additional Information

The value listed as Density -Specific Gravity, ASTM D792, was tested in accordance with ASTM D471.

The value listed as Density, ISO 1183, was tested in accordance with ISO 2781.

Notes

¹ Die C

Notes

These are typical property values not to be construed as specification limits.