

Technical Data Sheet

DuraGrip® DGR 6230TR

Thermoplastic Elastomer
Engineering Plastics



Product Description

DuraGrip® 6230TR is a translucent Thermoplastic Elastomer (TPE) designed for injection molding and extrusion processes. DuraGrip® 6230TR has very good elasticity and recovery, a dry, soft-touch feel, high coefficient of friction, bonds well to polypropylene and polyethylene and is FDA compliant. DuraGrip® 6230TR is not hygroscopic and under normal conditions does not require drying.

General

Features	• Good Adhesion	• High Friction
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			
--	0.880	0.878 g/cm³	ASTM D792
--	0.878 g/cm³	0.878 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.1 g/10 min	1.1 g/10 min	ASTM D1238

Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress			ASTM D412 ISO 37
100% Strain	90.0 psi	0.621 MPa	
300% Strain	285 psi	1.97 MPa	
Tensile Strength (Yield)	880 psi	6.07 MPa	ASTM D412 ISO 37
Tensile Elongation (Break)	690 %	690 %	ASTM D412 ISO 37
Tear Strength ¹	110 lbf/in	19.3 kN/m	ASTM D624

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A, 5 sec)	29	29	ASTM D2240 ISO 868

Fill Analysis	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Viscosity (374°F (190°C), 200 sec ⁻¹)	352 Pa·s	352 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.