

DuraGrip® DGR 6240TR

Thermoplastic Elastomer

Advanced Polymer Alloys

Message:

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 Information	
Features	Good adhesion
	General
Agency Ratings	EU 2002/96/EC (WEEE)
	FDA not rated
RoHS Compliance	RoHS compliance
Appearance	Translucent
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.882	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	16	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec)	40		ASTM D2240, ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412, ISO 37
100% strain	1.09	MPa	ASTM D412, ISO 37
300% strain	2.51	MPa	ASTM D412, ISO 37
Tensile Strength (Yield)	7.04	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	540	%	ASTM D412, ISO 37
Tear Strength ¹	18.7	kN/m	ASTM D624
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (190°C, 200 sec ⁻¹)	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.

NOTE

1. C mould

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