

DuraGrip® DGR 6230TR

Thermoplastic Elastomer

Advanced Polymer Alloys

Message:

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 Information	
Features	High Friction
	Good adhesion
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	0.878	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.1	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec)	29		ASTM D2240, ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412, ISO 37
100% strain	0.621	MPa	ASTM D412, ISO 37
300% strain	1.97	MPa	ASTM D412, ISO 37
Tensile Strength (Yield)	6.07	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	690	%	ASTM D412, ISO 37
Tear Strength ¹	19.3	kN/m	ASTM D624
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (190°C, 200 sec ⁻¹)	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.			

NOTE	
1.	C mould

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

