

Technical Data Sheet

DuraGrip DGR-6250CLFDANAT



Thermoplastic Elastomer

Product Description

DuraGrip 6250CL is a Thermoplastic Elastomer (TPE) designed for injection molding and extrusion processes. *DuraGrip* 6250CL has excellent clarity, soft-touch feel, a high coefficient of friction, and bonds well to polypropylene. *DuraGrip* 6250CL can also be FDA compliant. *DuraGrip* 6250CL is not hygroscopic and under normal conditions does not require drying.

Processing Method	Extrusion; Injection Molding
Attribute	Good Adhesion; High Clarity; High Friction
Forms	Pellets
Appearance	Clear/Transparent

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	31	g/10 min	ASTM D1238
Density	0.883	g/cm ³	ISO 1183
Density - Specific Gravity	0.883	g/cm ³	ASTM D792
Melt Viscosity, (190 °C, 200 sec ⁻¹)	136	Pa·s	ASTM D3835
Mechanical			
Tensile Stress at 100%	1.54	MPa	ISO 37
Tensile Stress at 300%	2.27	MPa	ASTM D412
Tensile Strength at Yield	6.85	MPa	ASTM D412
Tensile Stress at Yield	6.85	MPa	ISO 37
Tensile Strain at Break	800	%	ISO 37
Tensile Elongation at Break	800	%	ASTM D412
Tear Strength, (Die C)	23.6	kN/m	ASTM D624
Hardness			
Shore Hardness, (Shore A, 5 sec)	50		ISO 868
Durometer Hardness, (Shore A, 5 sec)	50		ASTM D2240