

StarCLEAR CLR-1045

Thermoplastic Elastomer

STAR Thermoplastic Alloys & Rubbers, Inc.

Message:

StarCLEAR CLR-1045 is an easy processing TPE designed for injection molding.

Features

- Soft Touch
- Rubbery Feel
- Excellent Colorability
- Excellent Clarity

General Information			
Features	Good Colorability		
	Good Processability		
	High Clarity		
	Soft		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.888	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain, 23°C)	2.10	MPa	ASTM D412
Tensile Strength (Yield, 23°C)	4.61	MPa	ASTM D412
Tensile Elongation (Break, 23°C)	740	%	ASTM D412
Tear Strength	21.0	kN/m	ASTM D624
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (210°C, 11000 sec ⁻¹)	15.0	Pa·s	ASTM D3835

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