

DELPET™ SR8500

Polymethyl Methacrylate Acrylic
Asahi Kasei Chemicals Corporation

Message:

DELPET™ SR8500 is a Polymethyl Methacrylate Acrylic product. It is available in Africa & Middle East, Asia Pacific, or Europe. Primary characteristic: impact resistant.

General Information			
UL YellowCard	E48285-240964		
Features	High Impact Resistance		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	0.30	g/10 min	ISO 1133
Spiral Flow	22.0	cm	Internal Method
Molding Shrinkage	0.40 to 0.80	%	Internal Method
Water Absorption (Equilibrium, 23°C, 50% RH)	0.30	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	92		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1300	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	30.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	55	%	ISO 527-2/1A/5
Flexural Modulus	1300	MPa	ISO 178
Flexural Stress	50.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	120	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	84.0	°C	ISO 306/B50
Heat Deflection Temperature	84	°C	ISO 75-2
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ISO 489
Transmittance (Total)	92.0	%	ISO 13468-1

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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

