

TECHNICAL DATA SHEET

SKYPEL G155D

SK Chemicals

TPE

Processing

Injection molding, Other extrusion

Delivery Form

Pellets

Processing/Physical Characteristics	Value	Unit	Standard
Melt flow index, MFI	11	g/10min	ASTM D 1238
Temperature	220	°C	
Load	2.16	kg	

Mechanical Properties	Value	Unit	Standard
Tensile strength at break	39	MPa	ASTM D 638
Elongation at break	600	%	ASTM D 638
Flexural modulus	206	MPa	ASTM D 790
Shore D hardness	55		ASTM D 2240
Tear strength	165	kN/m	ASTM D 624

Thermal Properties	Value	Unit	Standard
DTUL @ 66 psi	105	°C	ASTM D 648
Melting temperature	202	°C	ASTM D 3418

Other Properties	Value	Unit	Standard
Density	1180	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Standard
Mold temperature	35	°C	
Zone 1	205	°C	
Zone 2	215	°C	
Zone 3	220	°C	
Nozzle temperature	225	°C	

Processing Recommendation Extrusion	Value	Unit	Standard
Melt temperature	215	°C	

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Processing Recommendation	Extrusion	Value	Unit	Standard
Zone 1		195	°C	
Zone 2		210	°C	
Zone 3		210	°C	
Nozzle temperature		210	°C	