

SK Global Chemical

TPEE

G130D

Product information

Manufacturer	SK Global Chemical Co.,LTD
Material Shape	Pellets
Process	Injection molding Extrusion molding
Material Attribute	Heat resistance grade Heat stabilized grade
Features	Color stabilityCreep resistanceFatigue resistanceGood mechanical propertiesHigh elongation at breakHigh impactHigh tensile strengthLow temperature flexibilityMedium hardnessHigh melting point
Application	Automotive applicationsAutomotive partsPipeFilmSheetCable jacketingCompounding applicationsExtrusion applicationsInjection molding applications

Extrusion molding	Condition	Standard	Value	Unit
Die	Temperature	185~190	°C	
Dry	Temperature	100	°C	
Dry	Time	2~3	hr	
Melt	Temperature	190~195	°C	
Zone	1 Temperature	170~175	°C	
Zone	2 Temperature	180~185	°C	
Zone	3 Temperature	185~190	°C	

Hardness	Condition	Standard	Value	Unit
Shore	Hardness D	ASTM D2240	30	
Shore	Hardness D Max	ISO 868	32	
Shore	Hardness D 15s	ISO 868	27	

Mechanical behavior	Condition	Standard	Value	Unit
Elongation	Break 50mm/min 2.0mm Type IV	ASTM D638	900	%
Tensile	Strength Break 50mm/min 2.0mm Type IV	ASTM D638	220	kg/cm ²
Tensile	Strength Break 5% Strain 50mm/min 2.0mm Type IV	ASTM D638	6	kg/cm ²
Tensile	Strength Break 10% Strain 50mm/min 2.0mm Type IV	ASTM D638	18	kg/cm ²

Physical property	Condition	Standard	Value	Unit
Density		ASTM D792	1.07	g/cm ³
Melt	Index 220°C 2.16kg	ASTM D1238	17	g/10min
Thermal	Condition	Standard	Value	Unit
Melting	Temperature DSC 10°C/min	ASTM D3418	174	°C