

SKYPURA® 0302

SK Chemicals - Polycyclohexylenedimethylene Terephthalate

General Information

Product Description

SKPURA® 0302 is a Polycyclohexylenedimethylene terephthalate for LED reflectors.

General

Uses	• LEDs	• Reflectors
Processing Method	• Injection Molding	

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.20		ASTM D792
Intrinsic Viscosity	0.65	dl/g	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	246000	psi	ASTM D638
Tensile Strength (Yield)	6200	psi	ASTM D638
Tensile Strength (Break)	5830	psi	ASTM D638
Tensile Elongation (Yield)	3.1	%	ASTM D638
Flexural Modulus	239000	psi	ASTM D790
Flexural Strength	10600	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.75	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	194	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	172	°F	ASTM D648
Glass Transition Temperature	192	°F	ASTM E1356
Vicat Softening Temperature	549	°F	ASTM D1525