

Topas® 5013S-04 Cyclo olefin copolymer Granules

Grade: Topas® 5013S-04

Formula: Topas®

Nominal Granule Size: 3mm

Weight: 100g

Colour: Natural

CAS Number: 26007-43-2

UOM Code: 977-048-94

SKU: 1000085896-group

Product Code: ET35-GL-000102

Material Properties for Polymers

Physical Properties

Element	Value
Abbe number	58
Flammability	HB
Radiation resistance	Good
Refractive index	1.53
Resistance to Ultra-violet	Fair-Poor
Optical transmission(%)	92-94
Water absorption(%)	0.01
Water absorption - over 24 hours(%)	0.01
Density(gcm ³)	1.02

Chemical Resistance

Element	Value
Acids - dilute	Good
Alcohols	Good
Alkalis	Good
Greases and Oils	Fair-Poor

Mechanical Properties

Element	Value
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Elongation at break(%) 3
Tensile modulus(GPa) 3.1
Tensile strength(MPa) 66

Thermal Properties

Element	Value
Heat-deflection temperature - 0.45MPa(C)	130
Thermal conductivity(W m ⁻¹ K ⁻¹)	0.16
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	60

Electrical Properties

Element	Value
Surface resistivity(Ohm/sq)	10 ¹¹
Volume resistivity(Ohmcm)	10 ¹²