

PHB Granules

Formula: PHB

Nominal Granule Size: 5mm

Weight: 10g

Molecular Weight: 550k g/mol

Type: Injection Moulding

CAS Number: 29435-48-1

UOM Code: 105-896-87

SKU: 1000018951-group

Product Code: BU39-GL-000111

Material Properties for Polymers

Chemical Resistance

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

Electrical Properties

Element	Value
Dielectric constant @ 1MHz	3
Volume resistivity(Ohmcm)	10 ¹²

Physical Properties

Element	Value
Resistance to Ultra-violet	Fair
Density(gcm ³)	1.25

Mechanical Properties

Element	Value
Elongation at break(%)	6

Element	Value
Tensile modulus(GPa)	3.5
Izod impact strength(J m ²)	35-60
Tensile strength(MPa)	40

Thermal Properties

Element	Value
Upper working temperature(C)	95