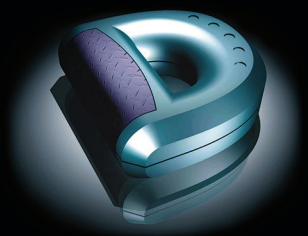
SEMI-RIGID/PP/PE (8045)

A translucent PP/PE-type resin with variable Shore hardness. Suitable for a range of applications where flexibility is important.



Drumlord Limited
Prototyping Technologies

APPLICATIONS:

- High impact
- snap fit applications

PROPERTIES:

- Variable hardness (48D-74D Shore)
- Pigmentable
- Flexible

CURED PROPERTIES

	CONDITION	8045	8045-1	8045-2	8045-3
Colour	-	White/Transparent	Clear/Transparent	Transparent	Clear/Transparent
Specific gravity	at 25 °C	1.07 g/cc	1.07 g/cc	1.16 g/cc	0.99 g/cc

CURED PROPERTIES

	CONDITION	UNIT	MIXING RATIO BY WEIGHT			
	ISO		8045	8045-1	8045-2	8045-3
Moulding colour			White	Translucent	Translucent	Translucent
Hardness	at 25°C	Shore D	74	70	61	48
Tensile strength	527	MPa	32	24	12	10
Tensile modulus	527	MPa	970	700	400	150
Elongation	527	%	55	60	65	75
Bending strength	178	MPa	43	22	11	5
Bending modulus	178	MPa	1000	580	300	110
Impact strength	180	kJ/m2	16	16	19	21
Deflection temp under load at 0.45 MPa	75-1	°C	79	53	42	35

The information in this data sheet, as supplied by the material manufacturers, is provided for general guidance only, in good faith and without warranty. The performance characteristics may vary depending on the application, operating conditions or other materials in combination and it is the responsibility of the customer to determine the suitability of the product for its end use.

DRUMLORD LTD UNIT 6, DARREN DRIVE PRINCE OF WALES INDUSTRIAL ESTATE ABERCARN, NEWPORT NP11 5AR | T +44 (0)1495 249232 F: +44 (0)1495 249050 E: MAIL@DRUMLORD.CO.UK DRUMLORD.CO.UK