

Material Specification

P08 Revision A

Thermoplastic Polyurethane EL58

Material Specification					
Created: MZ	Date: 10/12/10	Revision: A	Released: 10/13/10	Material Code: P08	Description: TPU

1. Scope

This document describes property requirements for a material primarily used in sealing applications.

2. Specification

Hardness	DIN 53505	60D
Density	DIN 53479	1.16 g/cm ³
Tensile Strength	D412	46.2 N/mm ²
Ultimate Elongation	D412	290.0%
100% Modulus	D412	24.8 N/mm ²
200% Modulus	D412	33.1 N/mm ²
Split Tear	D470	20.1 kN/m
Die C Tear	D624	105.0 kN/m
Compressive Modulus	D575	
5%		6.9 N/mm ²
10%		11.4 N/mm ²
15%		15.9 N/mm ²
20%		21.4 N/mm ²
25%		27.6 N/mm ²
Minimum Service Temp.		-35° C
		-31° F
Maximum Service Temp.		110° C
		230° F
Brittle Temp.	D746	-70° C
		-94° F
Color		Natural/Yellow

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3. Test References

Hardness D	DIN 53505
Density	DIN 53479
Tensile Strength	D412
Ultimate Elongation	D412
100% Modulus	D412
200% Modulus	D412
Split Tear	D470
Die C Tear	D624
Compressive Modulus	D575
Brittle Temp.	D746

4. Revisions

Revision: A
Date: 10/12/10
Written By: MEZ
Approved: CRH
Date Approved: 10/13/10
Reason: Updated to new format

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