



**HEROFLOX S.R.L.**  
**Technical Fluorinated Polymers**

Via Alcide de Gasperi, 4 25060 Collebeato (BS) - ITALY  
 Tel. +39 030 2510211 Fax +39 030 2511495  
 info@heroflon.it - www.heroflon.it  
 Piva: 02042840179 - Codice Fiscale 02042840179  
 Iscrizione C.C.I.A.A. Brescia 288474 - Registrazione tribunale di Brescia 30794  
 MEC Commercio Estero BS 005964 - Capitale Sociale 910.000 Iv.



## TECHNICAL DATASHEET

**PRODUCT:** 25CAR

**GRADE:** Non Freeflowing, Freeflowing, High Density Freeflowing and Extrusion

**DATE:** 18.03.2005

**COMPOSITION (% BY WEIGHT):**

25% Hard Carbon + 75% PTFE

### TYPICAL PROPERTIES

PROPERTY	MEASURING METHOD	UNITS	NFF	FF	FF/HD	E	LF
Specific gravity	ASTM D4894	gr/cm <sup>3</sup>	2,09+/-0,03	2,09+/-0,03	2,09+/-0,03	2,09+/-0,03	
Tensile strength CD	ASTM D4894	MPa	21	18	17	18	
Elongation CD	ASTM D4894	%	110	75	70	60	
Hardness	NEEDLE	Shore D	66+/-2	66+/-2	66+/-2	66+/-2	
Bulk density	ASTM D4894	g/l	500	600	670	700	
Diametric shrinkage	INTERN	%	2,5+/-0,4	2,5+/-0,4	2,5+/-0,4	-	
Flow	INTERN	sec/50g	-	4	3	3	
Flow Stability	INTERN	sec/50g	-	4	3	3	
Average particle size	INTERN	micron	-	700-400	700-400	-	

**RECOMMENDED MOULDING PRESSURE:** 500 Kg/cm<sup>2</sup>

**MAXIMUM SINTERING TEMPERATURE:** 375 °C

**NOTE**

**\*CD: cross direction**

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